

Comparisons of Job Characteristics

Focus Occupation: [Engine and Other Machine Assemblers \(51-2031\)](#)

Associated Occupation: [Electromechanical Equipment Assemblers \(51-2023\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Engine and Other Machine Assemblers (51-2031)

Associated Occupation: Electromechanical Equipment Assemblers (51-2023)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	13.4	14.7	0	Current knowledge level may be sufficient
Production and Processing	6.0	12.0	8.8	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	10.3	5.6	<<	Extensive education and/or training may be required
Design	5.2	7.8	5.4	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Engine and Other Machine Assemblers (51-2031)

Associated Occupation: Electromechanical Equipment Assemblers (51-2023)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Quality Control Analysis	5.9	9.8	10.1	0	Current skill level may be sufficient
Troubleshooting	4.5	8.8	8.0	<	A higher skill level may be required
Operation Monitoring	6.6	8.7	10.3	>	Skill level is likely sufficient
Equipment Maintenance	3.5	7.2	7.9	0	Current skill level may be sufficient
Repairing	3.4	6.6	8.1	>	Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Engine and Other Machine Assemblers (51-2031)

Associated Occupation: Electromechanical Equipment Assemblers (51-2023)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Finger Dexterity	7.6	11.9	10.6	<	Some improvement in abilities may be required
Manual Dexterity	6.5	11.2	10.3	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	10.1	11.1	0	Current ability level may be sufficient
Control Precision	6.6	9.5	10.1	0	Current ability level may be sufficient
Visualization	7.5	9.1	10.7	>	Current ability level is likely sufficient
Hearing Sensitivity	5.6	7.1	8.5	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Engine and Other Machine Assemblers (51-2031)

Associated Occupation: Electromechanical Equipment Assemblers (51-2023)

Work Activities	Exclusivity of Activity
Examine products or work to verify conformance to specifications	15
Fabricate, assemble, or disassemble manufactured products by hand	11
Make independent judgment in assembly procedures	64
Read blueprints	10
Read schematics	34
Read specifications	23
Read work order, instructions, formulas, or processing charts	9
Solder electrical or electronic connections or components	55
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use precision measuring tools or equipment	17
Use soldering equipment	44

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Engine and Other Machine Assemblers (51-2031) Associated Occupation: Electromechanical Equipment Assemblers (51-2023)
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Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.